

FI G. 1

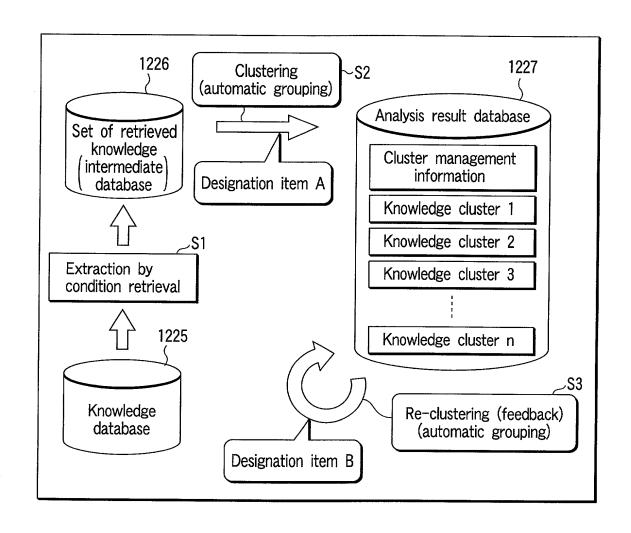


FIG.2

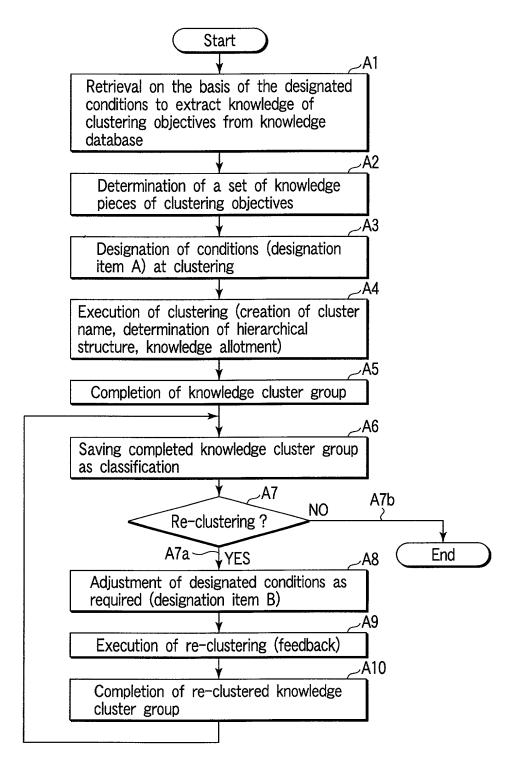
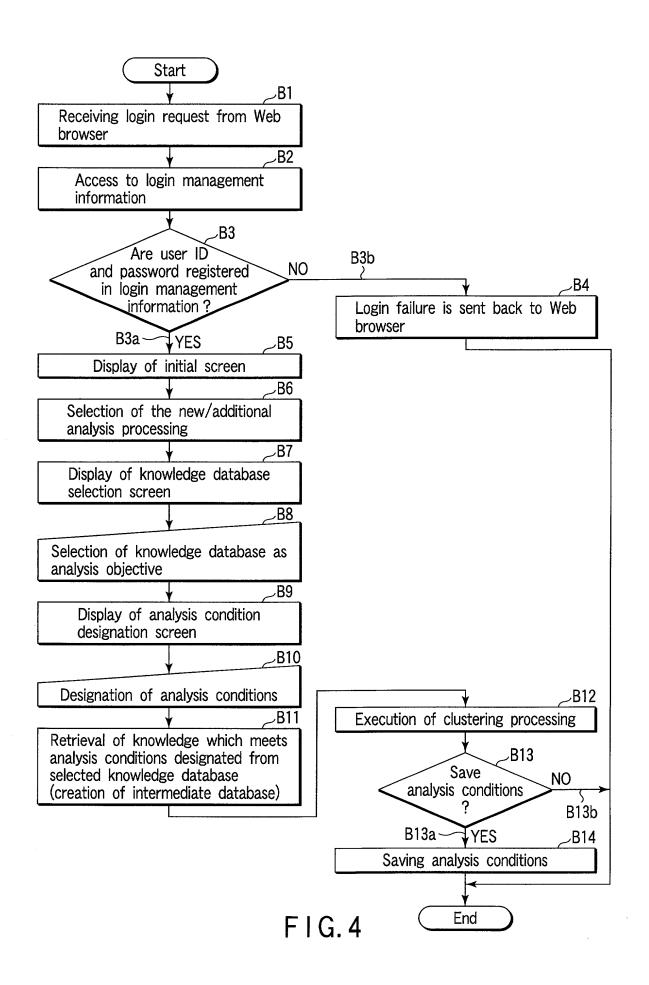


FIG.3



Initial screen Select the men	Select the menu you want from the following menus
Sold to the sold the sold to t	
ivew/additional analysis processing	analysis processing select this when you want to carry out knowledge analysis newly, or to carry out additional knowledge analysis on the basis of existing analysis results
Re-analysis/editing processing	Select this when you want to reconfigure existing
	analysis results, or to examine existing analysis results

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To analysis condition designation screen in FIG. 7 Company information (collection of KYOCOS company information 555 cases) Select Support technical information (support technical information 4810 cases) Select knowledge databases as analysis objectives Comment The number of databases 区 XXnewspaper article (as of 1999 10000 cases) MAGNIA_FAQ (MAGNIA_FAQ 5678 cases) 区 10,000 cases database (No.1 10225 cases) Objective | Knowledge database ☐ Faq2 (Faq2 1234 cases) Knowledge database: 6 cases

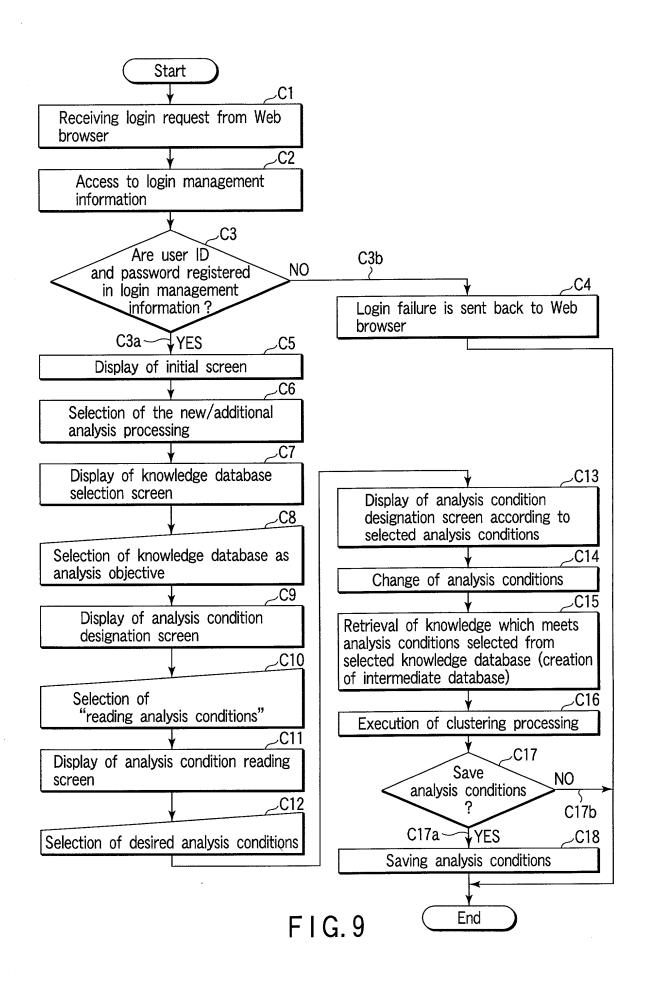
F I G. 6

To Analysis condit	To Analysis condition saving screen in F	FIG. 8	Execution of clustering (s2)	Execution of clustering (s2)
Analys	Analysis condition designation	ion	analysis conditions	Enter To analysis
				7
Analys	Analysis condition saving	End	Analysis condition reading	Iding -screen in FIG. 10
Analysi	Analysis objective DB:	• 10000 cases db (No.1 10225 cases) • XXnewspaper article (as of 1999 10000 cases)	s) ·XXnewspaper article (as	of 1999 10000 cases)
Analysi	Analysis result name:	Market trend analysis results of 10000 cases db & $\times \times$ newspaper articles (1996 to 2000)	0000 cases db & XXnewspape	articles (1996 to 2000)
Analys	Analysis objective period:	January 1 1996 to De	December 31 2000	
Focusi	Focusing keyword:	Tokyo New York London		
Number	Number of focusing cases:	1000		
Numbe	Number of hierarchies:	○ 1-class layer	○3-class layer ○4-class lay	rer On-class layer
Overla	Overlap of knowledge:	Present Absent		
Maxim	Maximum number of most si	significant clusters: 20		
Import	Important word:	Market price Market Stocks Se Money interests Currency	Securities Pensions Economy	Banks
Unnec	Unnecessary word:	Sports Social issues Accidents		
	Synonymous word:	$ NY = New York = NEW YORK; \\ \bullet \bullet \bullet = \circ \circ \circ ;$		+>
Unnec Synon:	essary word: ymous word:	Social issues ew York = NEW = 000;		

Saving analysis conditions

Analysis condition saving	Enter analysis condition name to save
Analysis condition name:	Market trend analysis results of 10000 cases db & XX newspaper articles (1996 to 2000)
Analysis objective period:	January 1, 1966 to December 31, 2000
Focusing keyword:	Tokyo New York London
Number of focusing cases:	: 1000 cases
Number of hierarchies:	2-class hierarchy
Maximum number of most significant clusters:	20 pieces
Overlap of sentence:	Present
Important word:	Market price Market Stocks Securities Pensions Economy Banks Money interests Currency
Unnecessary word:	Sports Social issues Accidents
Synonymous word:	NY = New York = NEW YORK; ●●● = ○○○○;

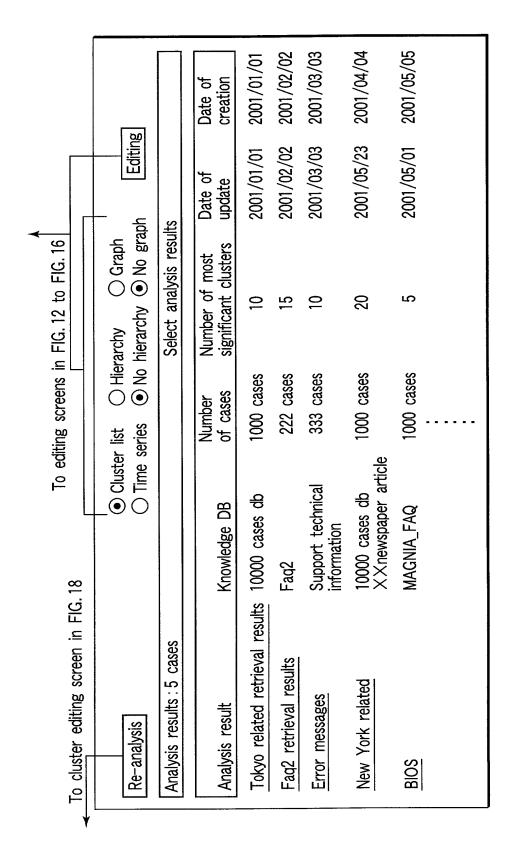
F1G.8



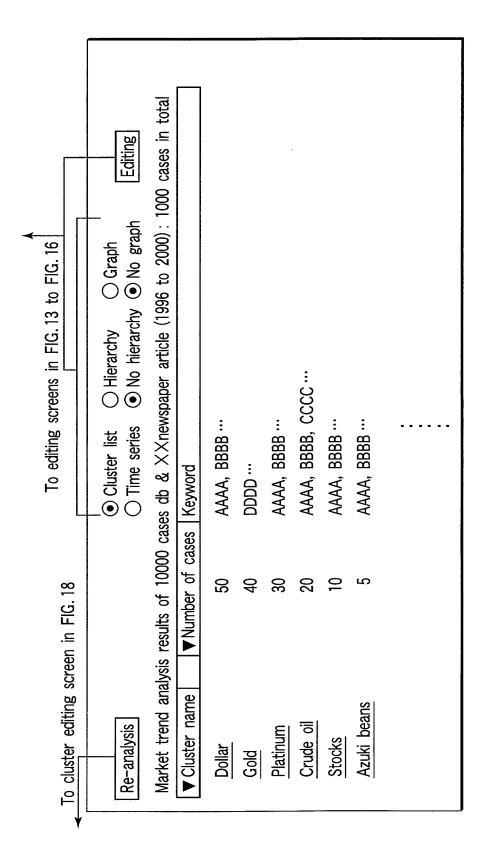
Analysis conditions reading and to analysis condition designation screen in FIG. 7

Objective	Objective Analysis conditions	Date of creation
•	 10000 cases db & XXnewspaper article market trend analysis results 	2001/01/01 00:23
0	Setting for $\spadesuit \spadesuit \spadesuit$ analysis of $\nabla \nabla \nabla$ DB	2001/02/02 09:20
0	2022	2001/03/03 18:00
0	DDDD	2001/04/01 22:00

F G. 10



<u>Б</u>



F | G. 12

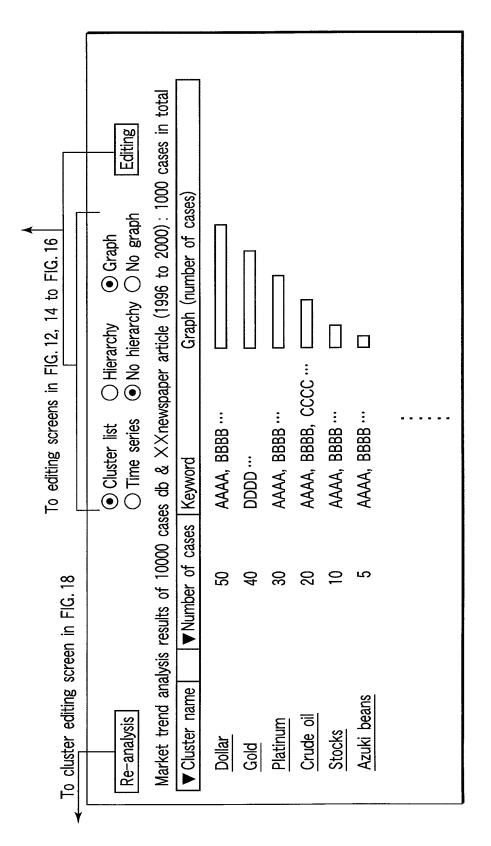
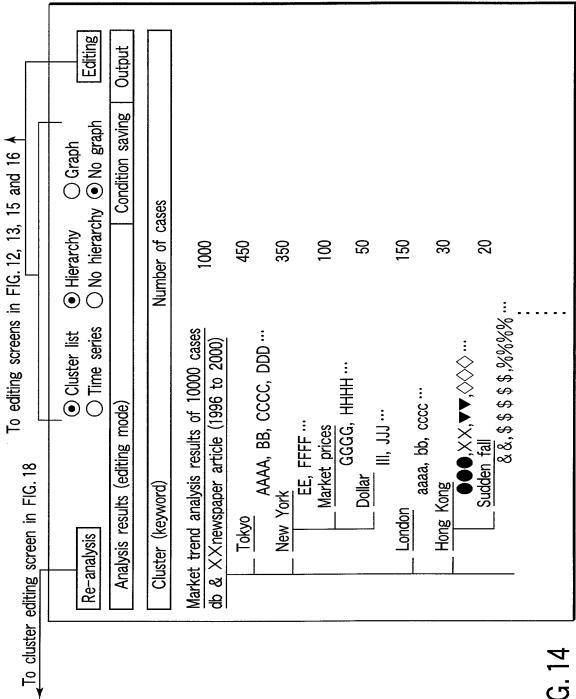


FIG. 13



F1G. 14

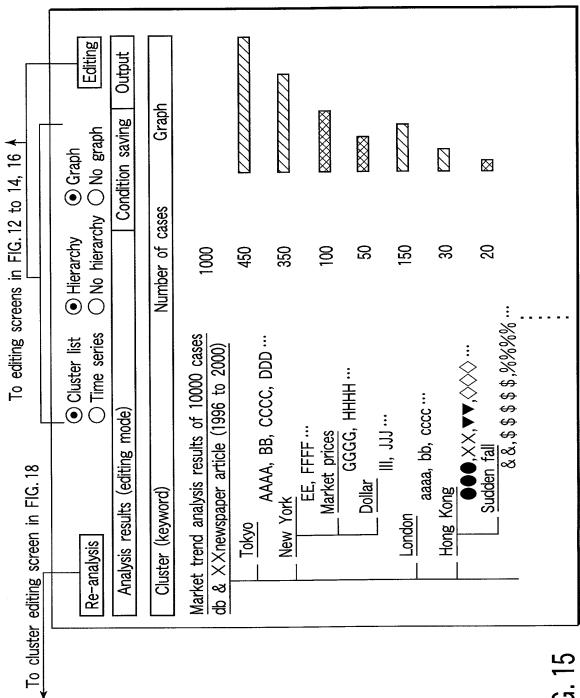


FIG. 15

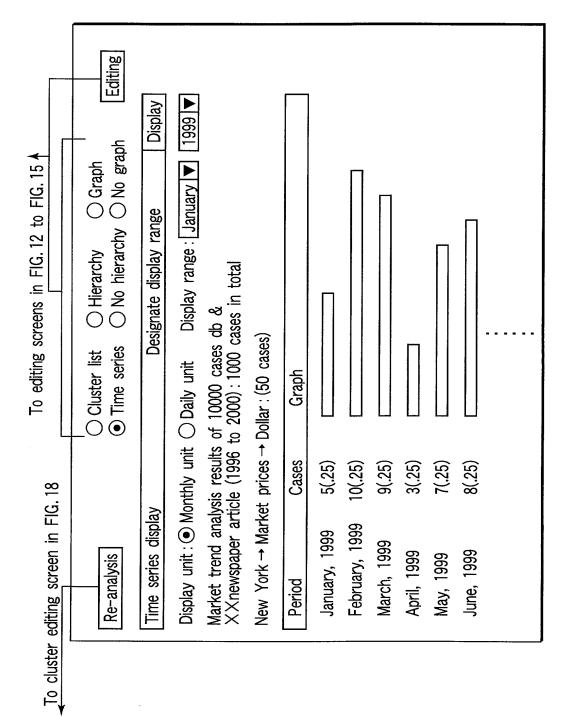
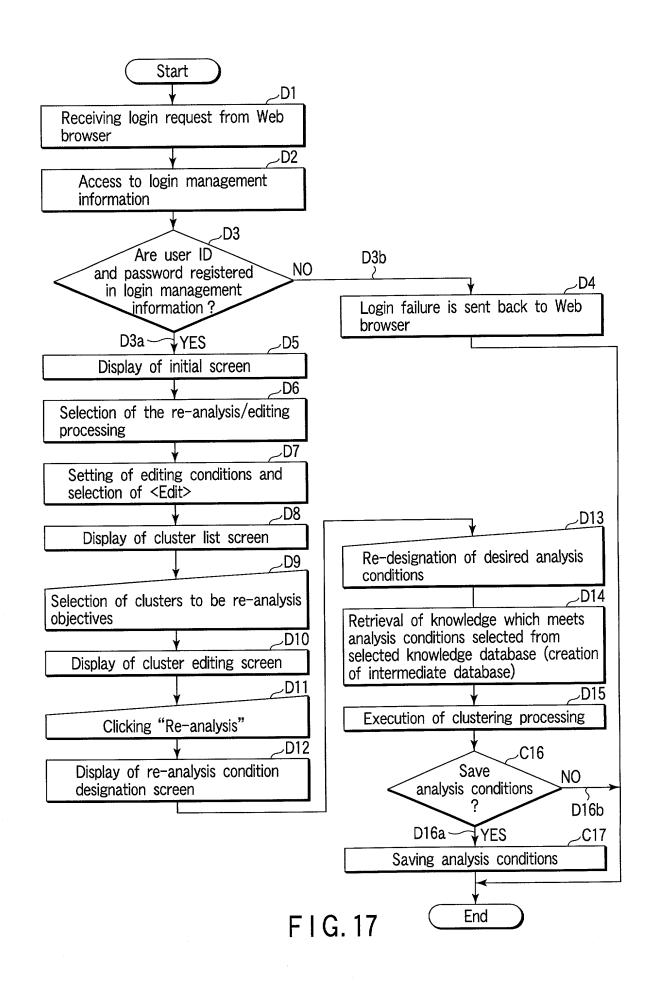


FIG. 16



	To re-analysis	condition designation									F1G. 18
	elease Re-alysis	Cases	1000	450	350	100	20	150	30	50	
archy display Cluster list display Editing	Combination Fixation Fixation release Re-alysis	Cluster (keyword)	Market trend analysis results of 10000 cases db & $\times \times$ newspaper article (1996 to 2000)	Tokyo AAAA BB CCCC DDD	New York	Market prices	Dollar III III	London assa bh ccc	Hong Kong	Sudden fall 88,88%% 88,88%%	
Hierar		Combination objective		В	Q			Q	В		
		Fixed			Fixed			Fixed			

processing	
Re-analysis	

Analysis objective DB: • 1000 Analysis result name: Mark	• 10000 (Apr 1 1020) • X X x x x x x x x x x x x x x x x x x
 Po	אס כמסכם ו 1000 ו 1000 במסכם אל המסכם אל המסכם אל מסכם ו 1000 במסכם אל המסכם
	Market trend analysis results of 10000 cases db & $\times \times$ newspaper articles (1996 to 2000)
	January 1, 1966 to December 31, 2000
Focusing keyword: Toky	Tokyo New York London
Number of focusing cases: 1000	1000 cases
Number of hierarchies: 2-cla	2-class layer
Overlap of knowledge: Present	ent
Maximum number of most signifi	significant clusters : 30 pieces
Important word:	Market price Market Stocks Securities Pensions Economy Banks Money interests Currency Monetary relaxation Bad loans
Unnecessary word: Sports	ts Social issues Accidents
Synonymous word:	NY = New York = NEW YORK; ●●● = ○○○ ;

F1G. 19

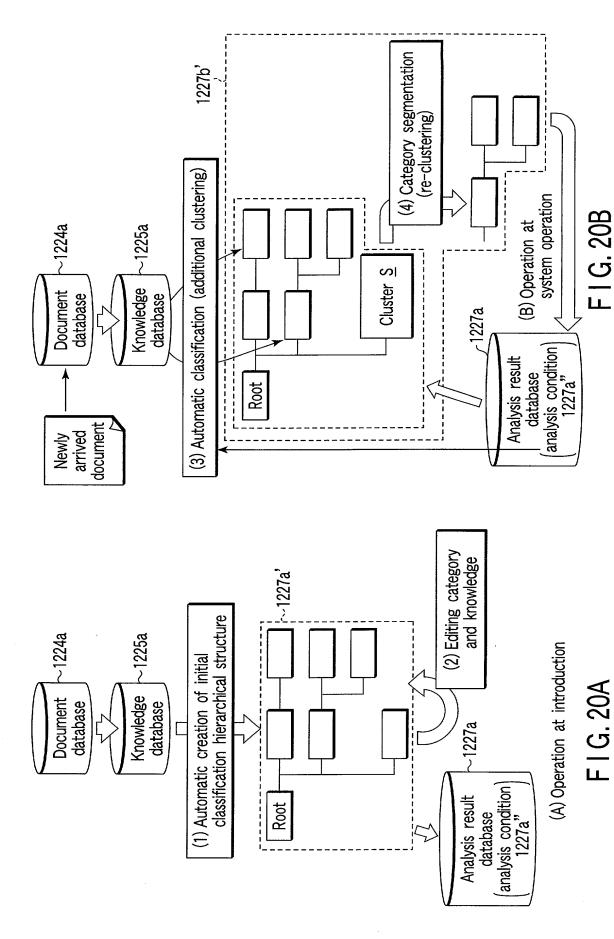
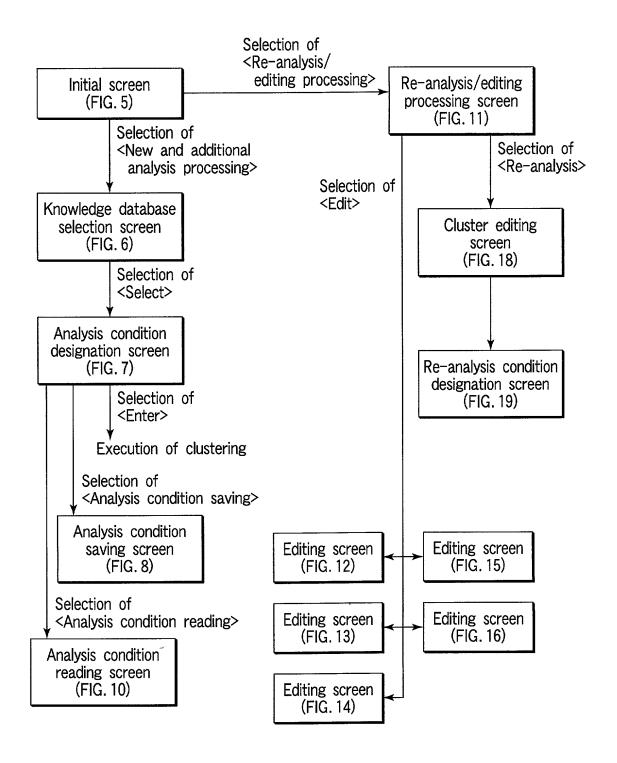


FIG. 20B



F I G. 21